



PATENT APPLICATION
Attorney's Do. No. 1138-71

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re divisional patent application of:

DAH WEN TSANG; JOHN W. MOSIER II, deceased;
DOUGLAS A. PIKE, JR. and
THEODORE O. MEYER

Examiner S. Loke

Serial No. 09/144,579

Group Art Unit 2811

Filed: August 31, 1998

For: SELF ALIGNED VERTICAL POWER MOSFET WITH
ENHANCED BASE REGION

Assistant Commissioner for Patents
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS COR-
RESPONDENCE IS BEING DEPOSITED
WITH THE UNITED STATES POSTAL
SERVICE AS FIRST CLASS MAIL IN AN
ENVELOPE ADDRESSED TO:

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☐ ASSISTANT COMMISSIONER FOR
TRADEMARKS, 2900 CRYSTAL DRIVE,
ARLINGTON VA 22202-3513

ON: 18 May 2001

AMENDMENT

Responsive to the Office Action dated November 21, 2000, for which a three-month
extension is requested on the attached transmittal letter, please amend the application as

follows:

05/24/2001 AZERGAW1 00000116 09144579

01 FC:103

810.00 OP

02 FC:117

890.00 OP

In the claims:

Please amend the claims to read as follows:

Subt F³
Cancel claims 23 and 30-42.

fig. 13
D1
43. (New) A recessed gate field effect power MOS device having a vertically
oriented channel comprising:
a semiconductor substrate including first and second laterally-extending layers of first
and second opposite polarity dopants defining a body layer and an underlying drain layer;
a first trench having sidewalls extending depthwise from an upper surface of the

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